

VALVE HAVING AN ACTUATOR THAT INTEGRATES MECHANICAL HARD STOPS

ABSTRACT OF THE DISCLOSURE

A valve assembly includes mechanical hard stops that are integral with the actuator assembly. The valve assembly includes a valve body, a valve element, and an actuator assembly. The valve element is disposed within the valve body and is moveable between an open position and a closed position. The actuator assembly is coupled to the valve element and is adapted to receive one or more position control signals, and is operable to selectively move the valve element between the open and closed positions. An engagement structure is coupled to the valve element and is moveable therewith. A stop structure is fixedly coupled to the actuator assembly and is configured to engage the engagement structure when the valve is at least in one of the open and closed positions.